

Title (en)

METHODS AND APPARATUS FOR A MICRO-TRUSS BASED STRUCTURAL INSULATION LAYER

Title (de)

VERFAHREN UND VORRICHTUNG FÜR EINE BAULICHE DÄMMSCHICHT AUF MIKOTRÄGERBASIS

Title (fr)

PROCÉDÉS ET APPAREIL POUR UNE COUCHE D'ISOLATION STRUCTURALE À BASE DE MICRO-TREILLIS

Publication

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Application

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Abstract (en)

[origin: US2010300669A1] An apparatus for maintaining a temperature differential between a component and a source of heat is described. The apparatus includes a micro-truss structure having a plurality of nodes and members which define a first surface and a second surface. The second surface is operable for attachment to the component. The apparatus further includes a skin material attached to the first surface of the micro-truss structure such that the skin material is operable for placement between the heat source and the micro-truss structure. The skin material defines at least a portion of a fluid flow path through the micro-truss structure. A skin material is not utilized with certain configurations of the micro-truss structure.

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